





Issue Classification 	Application No.	Applicant(s)	
	08/441,443	HOUGHTON ET AL.	
	Examiner	Art Unit	
	Mary K Zeman	1631	

ISSUE CLASSIFICATION										
ORIGINAL				CROSS REFERENCE(S)						
CLASS		SUBCLASS		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
536		23.1		536	23.72	24.3	24.32	24.33	24.5	
INTERNATIONAL CLASSIFICATION				435	5	6	7.1	810	948	975
c	0	7	h	21/02	436	501	63	94	811	820
c	0	7	h	21/04	514	44				
c	1	2	q	1/68						
c	1	2	q	1/70						
				/						

(Assistant Examiner) (Date)		 MARY K. ZEMAN PRIMARY EXAMINER AG 1631 (Primary Examiner)	Total Claims Allowed: 403	
 (Legal Instruments Examiner) (Date)			O.G. Print Claim(s)	O.G. Print Fig.
			1	none

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant										<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original		
	1		31		2		61		154		91		155		
	2		32		3		62		206		92		207		
	3		33		4		63		273		93		224		
	4		34		5		64		17		94		18		
	5		35		6		65		69		95		70		
	6		36		7		66		121		96		122		
	7		37		8		67		172		97		173		
	8		38		9		68		240		98		241		
	9		39		10		69		34		99		35		
	10		40		11		70		87		100		88		
	11		41		12		71		138		101		139		
	12		42		13		72		189		102		190		
	13		43		14		73		265		103		267		
	14		44		15		74		58		104		60		
	15		45		67		75		110		105		112		
	16		46		119		76		161		106		163		
	17		47		170		77		213		107		215		
	18		48		222		78		230		108		232		
	19		49		16		79		24		109		26		
	20		50		68		80		77		110		79		
	21		51		120		81		128		111		130		
	22		52		171		82		179		112		181		
	23		53		239		83		247		113		247		
	24		54		33		84		42		114		44		
	25		55		86		85		94		115		96		
	26		56		137		86		145		116		147		
	27		57		188		87		197		117		199		
	28		58		257		88		258		118		260		
	29		59		51		89		52		119		54		
	30		1	60	103		90		104		120		106		
													105		
													180		
													107		
													210		

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ISSUE CLASSIFICATION											
ORIGINAL				CROSS REFERENCE(S)							
CLASS		SUBCLASS		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)						
INTERNATIONAL CLASSIFICATION											
			/								
			/								
			/								
			/								
			/								
								Total Claims Allowed:			
(Assistant Examiner) (Date)								O.G. Print Claim(s)		O.G. Print Fig.	
(Legal Instruments Examiner) (Date)				(Primary Examiner) (Date)							

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant												<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original				
158	211	159	241	167	271	109	301	41	331	301	361	401	391				
210	212	211	242	219	272	160	302	249	332	305	362	364	392				
227	213	228	243	236	273	212	303	281	333	302	363	394	393				
21	214	22	244	30	274	229	304	268	334	290	364	353	394				
73	215	74	245	83	275	23	305	272	335	291	365	383	395				
125	216	126	246	134	276	75	306	271	336	303	366	359	396				
176	217	177	247	185	277	127	307	276	337		367	348	397				
244	218	245	248	254	278	178	308	278	338	295	368	389	398				
38	219	39	249	48	279	246	309	275	339	306	369	378	399				
91	220	92	250	100	280	40	310	280	340		370	402	400				
142	221	143	251	151	281	93	311	282	341	297	371	365	401				
193	222	273	252	203	282	144	312	283	342	308	372	395	402				
270	223	63	253	195	283	196	313	284	343		373	354	403				
62	224	115	254	277	284	279	314	285	344	299	374	384	404				
114	225	166	255	65	285	66	315	286	345	341	375	360	405				
165	226	218	256	117	286	118	316	287	346	371	376	349	406				
217	227	235	257	168	287	169	317	288	347	342	377	390	407				
234	228	29	258	220	288	221	318	289	348	372	378	379	408				
28	229	82	259	237	289	238	319	292	349	343	379	403	409				
81	230	133	260	31	290	32	320		350	373	380	366	410				
132	231	184	261	84	291	85	321	293	351	344	381	396	411				
183	232	253	262	135	292	136	322	300	352	374	382	355	412				
252	233	47	263	186	293	187	323		353	345	383	385	413				
46	234	99	264	255	294	256	324	294	354	375	384	361	414				
98	235	150	265	49	295	50	325	304	355	346	385	350	415				
149	236	202	266	101	296	102	326		356	376	386	391	416				
201	237	194	267	152	297	153	327	296	357	358	387	380	417				
262	238	274	268	204	298	205	328	307	358	347	388	369	418				
56	239	64	269	263	299	264	329		359	388	389	367	419				
108	240	116	270	57	300	76	330	298	360	377	390	356	420				

FINAL	ORIGINAL
362	421
351	422
399	423
397	424
386	425
392	426
381	427
400	428
398	429
387	430
393	431
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388	434
367	435
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314	460
332	461
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327	463
315	464
333	465
321	466
328	467
316	468
309	469

08/441 443
Issued Claims
P 3